

Version 2.1 Revision Date 29.02.2024 Print Date 01.03.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

MAKROLON 2407 550115

Material number: 86721783

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use:

Production of moulded plastic articles

1.3 Details of the supplier of the safety data sheet

Covestro Deutschland AG COV Global Product Safety 51365 Leverkusen

Tel.: +49 214 6009 8134

Email: ProductSafetyEMLA@covestro.com

1.4 Emergency telephone number

+1-703-527-3887 (Chemtrec)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

No classification in accordance with the Regulation (EC) No. 1272/2008.

2.2 Label elements

No labeling necessary according to the Regulation (EC) No. 1272/2008.

2.3 Other hazards

This substance/mixture contains components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

SECTION 3: Composition/information on ingredients

Type of product: Mixture

3.2 Mixtures

Polycarbonate

vPvB substance

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole Concentration [wt.-%]: >= 0.1 - < 0.3

CAS-No.: 3147-75-9

No classification in accordance with the Regulation (EC) No. 1272/2008.

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Candidate List of Substances of Very High Concern for Authorisation

This product contains substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 59).

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

CAS-No.: 3147-75-9

SECTION 4: First aid measures

4.1 Description of first aid measures

In case of skin contact: CONTACT WITH THE HOT MELT: Cool immediately with plenty of water. Do not remove product crusts which may have formed neither forcibly nor by applying any solvents to the skin involved. To obtain treatment for possible burns, and appropriate skin care, seek medical advice immediately.

The following information refers to the handling of the product at room temperature. In case of skin contact wash affected areas thoroughly with soap and plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Notes to physician: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Therapeutic measures: No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: sprayed water jet, extinguishing powder, Carbon dioxide (CO2), Foam, Dry chemical

5.2 Special hazards arising from the substance or mixture

Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes.

5.3 Advice for fire-fighters

Firemen must wear self-contained breathing apparatus.

Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Granules - slip hazard!

6.2 Environment related measures

Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Use mechanical handling equipment. Avoid dust formation.

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6.4 Reference to other sections

For further disposal measures see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Under recommended processing conditions small amounts of residues of monomers and residual solvent may be emitted. Provided good ventilation and/or local exhaust systems are used, the Workplace Exposure Limit(s) stated in section 8 should not be exceeded.

In case of mechanical processing, dust must be removed by effective exhaust ventilation.

Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at end of work and use skin-protecting ointment. Change contaminated clothing.

7.2 Conditions for safe storage, including any incompatibilities

No special storage conditions required.

Storage class (TRGS 510): 11: Combustible Solids

7.3 Specific end use(s)No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

The regulations for the substances listed below must be observed when processing this product, particularly if processing takes place at elevated temperatures. In our experience the provision of effective fresh-air and exhaust ventilation equipment at the points where vapors may be generated will ensure compliance with the tolerance limits quoted below.

Substance	CAS-No.	Basis	Туре	Value	Ceiling Limit Value	Remarks
phenol; carbolic acid; monohydroxybenzene; phenylalcohol	108-95-2	EU ELV	TWA	2 ppm 8 mg/m3		Indicative
phenol; carbolic acid; monohydroxybenzene; phenylalcohol	108-95-2	EU ELV				Dermal absorption possible
phenol; carbolic acid; monohydroxybenzene; phenylalcohol	108-95-2	EU ELV	STEL	4 ppm 16 mg/m3		Indicative
phenol; carbolic acid; monohydroxybenzene; phenylalcohol	108-95-2	TRGS 900				Listed.
phenol; carbolic acid; monohydroxybenzene; phenylalcohol	108-95-2	TRGS 900				Dermal absorption possible
phenol; carbolic acid; monohydroxybenzene; phenylalcohol	108-95-2	TRGS 900		2 ppm 8 mg/m3	2	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol	108-95-2	TRGS 900	STEL CL			Category II: substances with a resorptive effect.
chlorobenzene	108-90-7	TRGS 900				Listed.
chlorobenzene	108-90-7	TRGS 900		5 ppm 23 mg/m3	2	Y
chlorobenzene	108-90-7	EU ELV	TWA	5 ppm 23 mg/m3		Indicative
chlorobenzene	108-90-7	EU ELV	STEL	15 ppm 70 mg/m3		Indicative

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chlorobenzene	108-90-7	TRGS 900	STEL CL			Category II: substances with a resorptive effect.
4-tert-butylphenol	98-54-4	TRGS 900				Listed.
4-tert-butylphenol	98-54-4	TRGS 900		0,08 ppm 0,5 mg/m3	2	
4-tert-butylphenol	98-54-4	TRGS 900				Dermal absorption possible
4-tert-butylphenol	98-54-4	TRGS 900	STEL CL			Category II: substances with a resorptive effect.
bisphenol A; 4,4'-isopropylidenediph enol	80-05-7	TRGS 900				Listed.
bisphenol A; 4,4'-isopropylidenediph enol	80-05-7	TRGS 900	STEL CL			Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages.
bisphenol A; 4,4'-isopropylidenediph enol	80-05-7	TRGS 900		5 mg/m3	1	Y
bisphenol A; 4,4'-isopropylidenediph enol	80-05-7	EU ELV	TWA	2 mg/m3		Indicative
General limiting value of dust		TRGS 900		10 mg/m3	2	inhalable fraction
General limiting value of dust		TRGS 900		3 mg/m3	2	alveolar fraction
General limiting value of dust		TRGS 900	STEL CL	_		Category II: substances with a resorptive effect.

8.2 Exposure controls

Respiratory protection

In case of dust formation use respiratory equipment with filter type particle filter P1 according to EN 143.

Hand protection

Suitable materials for safety gloves; EN 374:

Polyvinyl chloride - PVC (>= 0.5 mm)

Contaminated and/or damaged gloves must be changed.

Eye protection

Wear eye/face protection.

Skin and body protection

Wear suitable protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: solid at 20 °C at 1.013 hPa

Appearance: granular Colour: blue Odour: odourless Odour Threshold: not established pH: not applicable Softening point: 130 - 160 °C Boiling point/boiling range: not established Flash point: not established Evaporation rate: not established not established Flammability: Burning number: not established

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Upper/lower flammability or

explosive limits:

not applicable

Vapour pressure:
Relative vapour density:
Density:
Rulk density:
Relative vapour density:
Density:
Ca. 1,2 - 1,4 g/cm³
600 - 700 kg/m³
Miscibility with water:
not established

Water solubility: practically insoluble
Surface tension: not established
Partition coefficient not established

(n-octanol/water):

Auto-ignition temperature: not applicable Ignition temperature: > 450 °C

Decomposition temperature: >= 380 °C

Heat of combustion: not established Viscosity, dynamic: not applicable

Viscosity, kinematic: not established

Particle characteristics

Particle size: not established

9.2 Other information

The indicated values do not necessarily correspond to the product specification. Please refer to the product information sheet or the technical information sheet for specification data.

Explosive properties: not established

Dust explosion class: not established

Oxidising properties: not established

SECTION 10: Stability and reactivity

10.1 Reactivity

This information is not available.

10.2 Chemical stability

Fumes evolved by overheating during improperly processing or by burning may be injurious to health.

10.3 Possibility of hazardous reactions

No hazardous reactions observed.

10.4 Conditions to avoid

This information is not available.

10.5 Incompatible materials

This information is not available.

10.6 Hazardous decomposition products

Caused by smouldering and incomplete combustion toxic fumes mainly consisting of CO and CO2 may be developed.

Under recommended processing conditions small amounts of emissions may occur.

The regulations for the substances listed below must be observed when processing this product, particularly if processing takes place at elevated temperatures.

phenol; carbolic acid; monohydroxybenzene; phenylalcohol

Index-No. 604-001-00-2 CAS-No.: 108-95-2

Classification (1272/2008/CE): Acute Tox. 3 Oral H301 Acute Tox. 3 Inhalative H331 Acute Tox. 3

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Dermal H311 Skin Corr. 1B H314 Eye Dam. 1 H318 Muta. 2 H341 STOT RE 2 H373 Aquatic Chronic 2 H411

chlorobenzene

Index-No. 602-033-00-1 CAS-No.: 108-90-7

Classification (1272/2008/CE): Flam. Liq. 3 H226 Acute Tox. 4 Inhalative H332 Skin Irrit. 2 H315

Aquatic Chronic 2 H411

4-tert-butylphenol Index-No. 604-090-00-8 CAS-No.: 98-54-4

Classification (1272/2008/CE): Skin Irrit. 2 H315 Eye Dam. 1 H318 Repr. 2 H361f Aquatic Chronic 1

H410

bisphenol A; 4,4'-isopropylidenediphenol

Index-No. 604-030-00-0 CAS-No.: 80-05-7

Classification (1272/2008/CE): Eye Dam. 1 H318 Skin Sens. 1 H317 Repr. 1B H360F STOT SE 3

H335 Aquatic Acute 1 H400 Aquatic Chronic 1 H410

SECTION 11: Toxicological information

Toxicological studies on the product are not yet available.

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity, oral

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

LD50 rat, male: > 5.000 mg/kg Method: OECD Test Guideline 401

Acute toxicity, dermal

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

LD50 rabbit, male: > 5.000 mg/kg Method: OECD Test Guideline 402

Acute toxicity, inhalation

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

LC50 rat: > 20 mg/l, 4 h Test atmosphere: dust/mist

Primary skin irritation

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

Species: rabbit Result: non-irritant

Classification: No skin irritation Method: OECD Test Guideline 404

Primary mucosae irritation

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

Species: rabbit Result: non-irritant

Classification: No eye irritation Method: OECD Test Guideline 405

Sensitisation

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

Skin sensitisation according to Magnusson/Kligmann (maximizing test):

Species: Guinea pig Result: negative

Classification: Does not cause skin sensitization.

Method: OECD Test Guideline 406

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Respiratory sensitization

No data available.

Subacute, subchronic and prolonged toxicity

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

NOAEL: >= 3000 ppm Application Route: Oral Species: rat, male/female

Dose Levels: 100 - 300 - 1000 - 3000 ppm

Exposure duration: 104 w Frequency of treatment: daily Method: OECD Test Guideline 452 Studies of a comparable product.

Carcinogenicity

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

No data available.

Reproductive toxicity/Fertility

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

NOAEL - Parents: >= 300 mg/kg NOAEL (offspring): >= 300 mg/kg

Test type: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity

Screening Test

Species: rat, male/female Application Route: Oral Frequency of treatment: daily

Control group: yes

Method: OECD Test Guideline 422 Studies of a comparable product.

Reproductive toxicity/Developmental Toxicity/Teratogenicity

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole NOAEL (teratogenicity): >= 1.000 mg/kg

NOAEL (maternal): 1.000 mg/kg

NOAEL (developmental toxicity): >= 1000 mg/kg body weight/day

Species: rat, female Application Route: Oral

Dose Levels: 150 - 500 - 1000 mg/kg body weight/day

Frequency of treatment: Daily from day 6 to day 15 of the gestation

Control group: yes

Method: OECD Test Guideline 414 Studies of a comparable product.

Genotoxicity in vitro

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

Test type: Ames test

Test system: Salmonella typhimurium Metabolic activation: with/without

Result: negative

Method: OECD Test Guideline 471

Test type: Ames test

Test system: Escherichia coli Metabolic activation: with/without

Result: negative

Method: OECD Test Guideline 471

Test type: Chromosome aberration test in vitro Test system: Chinese hamster V79 cell line

Metabolic activation: with/without

Result: negative

Method: OECD Test Guideline 473

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Test type: In vitro mammalian cell gene mutation test Test system: Chinese hamster ovary (CHO) cells

Metabolic activation: with/without

Result: negative

Method: OECD Test Guideline 476

Genotoxicity in vivo

No data available.

STOT evaluation - one-time exposure

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

Based on available data, the classification criteria are not met.

STOT evaluation - repeated exposure

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

Based on available data, the classification criteria are not met.

Aspiration toxicity

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

Based on available data, the classification criteria are not met.

CMR Assessment

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

Carcinogenicity: No data available.

Mutagenicity: Based on available data, the classification criteria are not met. Teratogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity/Fertility: Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Other information

According to our experience and information the product has no harmful effects on health if properly handled.

SECTION 12: Ecological information

Ecotoxicological studies of the product are not available.

Do not allow to escape into waterways, wastewater or soil.

12.1 Toxicity

Acute Fish toxicity

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

LC50 > 100 mg/l

Species: Danio rerio (zebra fish)

Exposure duration: 96 h

Method: OECD Test Guideline 203

No toxic effects in the water-soluble range.

Chronic Fish toxicity

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

No data available.

Acute toxicity for daphnia

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

EC50 > 100 mg/l

Species: Daphnia magna (Water flea)

Exposure duration: 48 h

Method: OECD Test Guideline 202

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Acute toxicity for algae

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

EC50 > 100 mg/l

Species: scenedesmus subspicatus

Exposure duration: 72 h

NOEC > 100 mg/l

Species: scenedesmus subspicatus

Exposure duration: 72 h

Acute bacterial toxicity

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

IC50 > 100 mg/l

Species: activated sludge Exposure duration: 3 h

Method: OECD Test Guideline 209

Toxicity to soil dwelling organisms

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

NOEC >= 1.000 mg/kg

Species: Eisenia fetida (earthworms)

Exposure duration: 56 d

Method: OECD Test Guideline 222

Ecotoxicology Assessment

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

Impact on Sewage Treatment: May be separated mechanically in waste water plants.

12.2 Persistence and degradability

Biodegradability

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

Biodegradation: 1 %, 28 d, i.e. not readily degradable

Method: OECD Test Guideline 301 B

Adsorbed organic bound halogens (AOX)

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

Product does not contain any organic halogens.

12.3 Bioaccumulative potential

Bioaccumulation

2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole

Bioconcentration factor (BCF): 461

Species: Oncorhynchus mykiss (rainbow trout)

Exposure duration: 28 d

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

This substance/mixture contains components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

12.6 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

The product is practically insoluble in water. In view of its consistency and insolubility in water, no ecological problems are to be expected if the product is properly handled. The product is not readily biodegradable.

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SECTION 13: Disposal considerations

Dispose in accordance with applicable international, national and local laws, ordinances and statutes.

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

13.1 Waste treatment methods

After containers have been emptied as thoroughly as possible (e.g. by pouring, scraping or draining until "drip-dry"), they can be sent to an appropriate collection point set up within the framework of the existing take-back scheme of the chemical industry. Containers must be recycled in compliance with national legislation and environmental regulations.

The product is suitable for mechanical recycling. After appropriate treatment it can be remelted and reprocessed into new moulded articles. Mechanical recycling is only possible if the material has been selectively retrieved and carefully segregated according to type.

SECTION 14: Transport information

ADR/RID

14.1 UN number or ID number
14.2 UN proper shipping name
14.3 Transport hazard class(es)
14.4 Packing group
14.5 Environmental hazards
14.6 UN number or ID number
15 Not dangerous goods
16 Not dangerous goods
17 Not dangerous goods
18 Not dangerous goods
19 Not dangerous goods
10 Not dangerous goods
11 Not dangerous goods
12 Not dangerous goods
13 Not dangerous goods
14 Not dangerous goods
15 Not dangerous goods
16 Not dangerous goods
17 Not dangerous goods
18 Not dangerous goods
19 Not dangerous goods
10 Not dangerous goods

ADN

14.1 UN number or ID number
14.2 UN proper shipping name
14.3 Transport hazard class(es)
14.4 Packing group
14.5 Environmental hazards
15 Not dangerous goods
16 Not dangerous goods
17 Not dangerous goods
18 Not dangerous goods
19 Not dangerous goods
10 Not dangerous goods
11 Not dangerous goods
12 Not dangerous goods
13 Not dangerous goods
14 Not dangerous goods
15 Not dangerous goods
16 Not dangerous goods
17 Not dangerous goods
18 Not dangerous goods
19 Not dangerous goods
10 Not dangerous goods
1

Dangerous goods classification for inland waterways tanker by request only.

IATA

14.1 UN number or ID number
14.2 UN proper shipping name
14.3 Transport hazard class(es)
14.4 Packing group
14.5 Environmental hazards
15 Not dangerous goods
16 Not dangerous goods
17 Not dangerous goods
18 Not dangerous goods
19 Not dangerous goods
19 Not dangerous goods
10 Not dangerous goods
10 Not dangerous goods
11 Not dangerous goods
12 Not dangerous goods
13 Not dangerous goods
14 Not dangerous goods
15 Not dangerous goods
16 Not dangerous goods
17 Not dangerous goods
18 Not dangerous goods
19 Not dangerous goods
10 Not dangerous goods
1

IMDG

14.1 UN number or ID number
14.2 UN proper shipping name
14.3 Transport hazard class(es)
14.4 Packing group
14.5 Environmental hazards
15. Not dangerous goods
16. Not dangerous goods
17. Not dangerous goods
18. Not d

14.6 Special precautions for user

See section 6 - 8.

Additional information : Not dangerous cargo. Keep dry.

14.7 Maritime transport in bulk according to IMO instruments

Product is not transported by us in bulk.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Candidate List of Substances of Very High Concern for Authorisation

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This product contains substances identified as SVHC according to REACH Regulation (EC) no. 1907/2006, Article 59. Please refer to section 3.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances. not applicable

TA Luft List (Germany)

Type: 5.2.5 Organic Substances

portion Class 1: 0,25 %

Fraction of other substances: 99,74 %

Water contaminating class (Germany)

nw not water endangering

Identification number according to AwSV: 766

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been conducted for this substance / mixture resp. its components.

SECTION 16: Other information

H411

Full text of the hazard statements of the CLP classification (1272/2008/CE) referred to under sections 2, 3 and 10.

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H360F	May damage fertility.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Toxic to aquatic life with long lasting effects.

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Abbreviations and acronyms

ADN Accord européen relatif au transport international des marchandises

Dangereuses par voie de Navigation intérieure

ADR Accord européen relatif au transport international des marchandises

Dangereuses par Route

ANSI American National Standards Institute

ASTM American Society of Testing and Materials (US)

ATE Acute Toxic Estimate

AwSv Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen

BCF Bioconcentration Factor
CAS Chemical Abstract Service

CLP Regulation on Classification, Labelling and Packaging of Substances and

Mixtures

CMR Cancerogenic Mutagenic Reprotoxic
DIN Deutsches Institut für Normung
DNEL Derived No-Effect Level
EC... Effect Concentration ... %
EWC European Waste Catalogue

IATA International Air Transport Association

IBC Intermediate Bulk Container

ICAO International Civil Aviation Organization
IMDG International Maritime Dangerous Goods
IMO International Maritime Organization

ISO International Organization for Standardization
IUPAC International Union of Pure and Applied Chemistry

LOAEL Lowest Observable Adverse Effect Level

LC... Lethal Concentration, ...%

LD... Lethal Dose, ...%

MARPOL International Convention for the Prevention of Pollution From Ships

NOAEL No Observed Adverse Effect Level
NOEL/NOEC No Observed Effect Level/Concentration

OECD Organisation for Economic Co-operation and Development

PBT persistent, bioaccumulative, toxic
PNEC Predicted No-Effect Concentration

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

Règlement concernant le transport International ferroviaire de

marchandises Dangereuses
STOT Specific Target Organ Toxicity
TRGS Technische Regeln für Gefahrstoffe
vPvB very Persistent, very Bioaccumulative

WGK Wassergefährdungsklasse

Further information

RID

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.